

1 36457/JWE/R439

COMPACT, FLEXIBLE, LED ARRAY

5 ABSTRACT OF THE DISCLOSURE

10 A flexible, high density, low profile lighting system  
includes a flexible printed circuit board substrate which is  
adapted to support and electrically interconnect surface mount  
electronic components. Plurality of surface mount light emitting  
diodes is mounted on the substrate so as to define a conformably  
bendable lighting array configured for mounting upon surfaces  
with compound curvature. Each of the surface mount light  
emitting diodes has a footprint of  $5\text{mm}^2$ , or less, and, when  
15 mounted adjacent and in contact with one another defines a light  
intensity output of from about 2 to about 20 candles per  $\text{cm}^2$ .

20 JWE/mg

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